

Message

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**From:** Walker, Stuart [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=6907CF9284BF4BD5831517C27ECE9C53-SWALKE02]  
**Sent:** 10/15/2020 4:13:17 PM  
**To:** Dolislager, Fredrick G. [dolislagerf1@ornl.gov]  
**Subject:** FW: HPNS  
**Attachments:** Copy of WP BPRG\_RESRAD Comparison\_Stuart edits on fixed.xlsx

Stuart Walker  
Superfund Remedial program National Radiation Expert  
Science Policy Branch  
Assessment and Remediation Division  
Office of Superfund Remediation and Technology Innovation  
W (703) 603-8748  
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**From:** Walker, Stuart  
**Sent:** Friday, July 24, 2020 11:13 AM  
**To:** Praskins, Wayne <Praskins.Wayne@epa.gov>  
**Subject:** RE: HPNS

Hello Wayne,

# Ex. 5 Deliberative Process (DP)

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**From:** Praskins, Wayne <[Praskins.Wayne@epa.gov](mailto:Praskins.Wayne@epa.gov)>  
**Sent:** Tuesday, July 21, 2020 7:38 PM  
**To:** Walker, Stuart <[Walker.Stuart@epa.gov](mailto:Walker.Stuart@epa.gov)>  
**Subject:** RE: HPNS

FYI - I pulled the ORNL values for the different receptor scenarios from the 4 spreadsheets. (The last column below provides the minimum of the 4 values.) The corner scenario appears to be the most stringent for all radionuclides:

ORNL Ext. Exposure PRGs- floor + 6' wall	ORNL Ext. Exposure PRGs- floor + 6' wall	ORNL Ext. Exposure PRGs- floor + 6' wall	ORNL Ext. Exposure PRGs- floor + 6' wall	ORNL Ext. Exposure PRGs- floor + 6' wall
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	<i>center, pCi/cm2</i>	<i>corner, pCi/cm2</i>	<i>average, pCi/cm2</i>	<i>center wall, pCi/cm2</i>	<i>minimum, pCi/cm2</i>
<b>Am-241</b>	12.4	7	8.2	8.4	7.2
<b>Cs-137</b>	21.8	13.1	14.7	15.1	13.1
<b>Co-60</b>	5.2	3.2	3.5	3.6	3.2
<b>Eu-152</b>	9.3	5.8	6.5	6.7	5.8
<b>Eu-154</b>	8.9	5.5	6.2	6.3	5.5
<b>H-3</b>					
<b>Pu-239</b>	10.9	6.4	7.2	7.4	6.4
<b>Ra-226</b>	6.3	3.9	4.3	4.4	3.9
<b>Sr-90</b>	251.1	142.7	160.4	166.1	142.7
<b>Th-232</b>	4.7	2.8	3.2	3.2	2.8
<b>U-235</b>	10.9	2.8	7.2	7.4	2.8

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**From:** Praskins, Wayne  
**Sent:** Tuesday, July 21, 2020 2:11 PM  
**To:** Walker, Stuart <[Walker.Stuart@epa.gov](mailto:Walker.Stuart@epa.gov)>  
**Subject:** HPNS

Stuart –

I'll call you about 6 ET.

# Ex. 5 Deliberative Process (DP)

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